

AUG 14 2001

K011992

**510(k) SUMMARY  
of  
SAFETY and EFFECTIVENESS**

**A. General Information**

1. *Submitter's Name:* FHC, Inc.
2. *Address:* 9 Main Street  
Bowdoinham, ME 04008
3. *Telephone Number:* 207-666-8190
4. *Contact Person:* Frederick Haer
5. *Date Prepared:* June 6, 2001
6. *Registration Number:* 1226598

**B. Device**

1. *Name:* microTargeting<sup>®</sup> Drive System
2. *Trade Name:* microTargeting<sup>®</sup> Drive System
3. *Common Name:* Stereotactic microdrive system
4. *Classification Name:* Stereotactic Instrument
5. *Product Code:* HAW
6. *Class:* II
7. *Regulation Number:* 882.4560

### **C. Identification of Legally Marketed Devices**

<u>Name</u>	<u>K Number</u>	<u>Date Cleared</u>
1. FHC, Inc microTargeting® Drive System	K003776	Feb. 23, 2001

### **D. Description of Device**

The microTargeting® Drive System with permits the accurate positioning of microelectrodes, stimulation electrodes, lesion electrodes, biopsy probes and other instruments in the brain and nervous system and is adaptable to all major stereotactic systems. The current microTargeting® Drive System allows the user to add position display capability or add power assist and position display capabilities.

### **E. Intended Use Statement**

The FHC microTargeting® Drive System is intended to be used with commercially available stereotactic systems for neurosurgical procedures which require the accurate positioning of microelectrodes, stimulation electrodes, or other instruments in the brain or nervous system.

### **F. Technological Characteristics Summary**

The FHC microTargeting® Drive System is substantially equivalent to the previously marketed FHC microTargeting® Drive System (K003776).

Differences that exist between these devices, relating to technical specifications, physical appearance, and design do not affect the relative safety and effectiveness of the microTargeting® Drive System.



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Food and Drug Administration  
9200 Corporate Boulevard  
Rockville MD 20850

Mr. Frederick Haer  
President and Chief Executive Officer  
FHC, Inc.  
9 Main Street  
Bowdoinham, Maine 04008

Re: K011992  
Trade/Device Name: microTargeting® Drive System  
Regulation Number: 882.4560  
Regulatory Class: II  
Product Code: HAW  
Dated: July 25, 2001  
Received: July 26, 2001

Dear Mr. Haer:

We have reviewed your Section 510(k) notification of intent to market the device referenced above and we have determined the device is substantially equivalent (for the indications for use stated in the enclosure) to legally marketed predicate devices marketed in interstate commerce prior to May 28, 1976, the enactment date of the Medical Device Amendments, or to devices that have been reclassified in accordance with the provisions of the Federal Food, Drug, and Cosmetic Act (Act). You may, therefore, market the device, subject to the general controls provisions of the Act. The general controls provisions of the Act include requirements for annual registration, listing of devices, good manufacturing practice, labeling, and prohibitions against misbranding and adulteration.

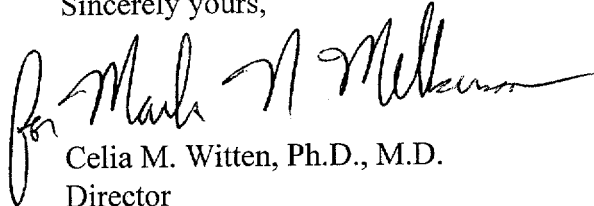
If your device is classified (see above) into either class II (Special Controls) or class III (Premarket Approval), it may be subject to such additional controls. Existing major regulations affecting your device can be found in the Code of Federal Regulations, Title 21, Parts 800 to 895. A substantially equivalent determination assumes compliance with the Current Good Manufacturing Practice requirements, as set forth in the Quality System Regulation (QS) for Medical Devices: General regulation (21 CFR Part 820) and that, through periodic QS inspections, the Food and Drug Administration (FDA) will verify such assumptions. Failure to comply with the GMP regulation may result in regulatory action. In addition, FDA may publish further announcements concerning your device in the Federal Register. Please note: this response to your premarket notification submission does not affect any obligation you might have under sections 531 through 542 of the Act for devices under the Electronic Product Radiation Control provisions, or other Federal laws or regulations.

Page 2 - Mr. Frederick Haer

This letter will allow you to begin marketing your device as described in your 510(k) premarket notification. The FDA finding of substantial equivalence of your device to a legally marketed predicate device results in a classification for your device and thus, permits your device to proceed to the market.

If you desire specific advice for your device on our labeling regulation (21 CFR Part 801 and additionally 809.10 for in vitro diagnostic devices), please contact the Office of Compliance at (301) 594-4659. Additionally, for questions on the promotion and advertising of your device, please contact the Office of Compliance at (301) 594-4639. Also, please note the regulation entitled, "Misbranding by reference to premarket notification" (21CFR 807.97). Other general information on your responsibilities under the Act may be obtained from the Division of Small Manufacturers Assistance at its toll-free number (800) 638-2041 or (301) 443-6597 or at its internet address "<http://www.fda.gov/cdrh/dsma/dsmamain.html>".

Sincerely yours,

A handwritten signature in black ink, appearing to read "Celia M. Witten", is written over the typed name.

Celia M. Witten, Ph.D., M.D.

Director

Division of General, Restorative  
and Neurological Devices

Office of Device Evaluation

Center for Devices and

Radiological Health

Enclosure

510(k) Number (if known): K011992

Device Name: microTargeting® Drive System

Indications For Use: The FHC microTargeting® Drive System is intended to be used with commercially available stereotactic systems for neurosurgical procedures which require the accurate positioning of microelectrodes, stimulating electrodes, or other instruments in the brain or nervous system.

(PLEASE DO NOT WRITE BELOW THIS LINE-CONTINUE ON ANOTHER PAGE IF NEEDED)

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Concurrence of CDRH, Office of Device Evaluation (ODE)

(Optional Format 3-10-98)

for Mark N. Melker  
(Division Sign-Off)  
Division of General, Restorative  
and Neurological Devices

510(k) Number K011992